

**Chesapeake Bay TMDL
FUTURE PROJECTS AND GRANT PROPOSALS**

FY 2011-2014 Federal Assistance

An HRPDC project proposal for comprehensive plan evaluation and applicable policy development is included in the FY 2011-2015 Virginia Coastal Needs and Strategies document (projects to be conducted between October 1, 2011 - September 30, 2016), which was reviewed and approved in April 2011 by the National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management. The project will benefit localities with examples of policy tools, research approaches and enabling authority clarification to consider in addressing the cumulative and secondary impacts associated with the Chesapeake Bay TMDL and Phase II WIP clean up requirements. Funding will be provided by Coastal Zone Management Act Section 309 funds (match-free). A project summary is provided below:

Project: Land & Water Quality Protection in Hampton Roads			
Program:	Coastal Zone Management Act (Section 309) Coastal Zone Enhancement Program	Applicant:	Hampton Roads Planning District Commission
Grant Administrator:	Virginia Coastal Zone Management Program	Proposed Schedule:	October 1, 2011 to September 30, 2014
Total Years:	3		
Total Budget:	\$270,000		
Project Summary:			
<p>Growth and development in Virginia’s coastal zone continues to increase at a rate that is disproportionate with the rest of the Commonwealth. Water quality impacts associated with urban growth are further magnified by development trends characterized by increasing impervious cover. To address these impacts, recent regulatory changes and program developments, specifically the Chesapeake Bay TMDL and revised Virginia stormwater management regulations, have resulted in the creation of nutrient reduction goals for Virginia localities. These developments require new land use approaches and development policies that will help localities reduce the impacts of land development on water quality. HRPDC staff will analyze the local consequences of these water quality requirements for urban and transitional communities and develop tools to enable localities to meet these requirements while avoiding negative impacts on natural resources.</p> <p>This project will utilize a pilot program approach, identifying one or two localities for each type of locality (urban or transitional) to serve as research and testing grounds. Pilot localities will be determined through HRPDC’s existing regional coordination and committee processes. HRPDC staff will evaluate existing Comprehensive Plans and other documents for compatibility with new regulatory requirements and develop policy recommendations as needed. HRPDC staff will also identify potential water quality retrofits and redevelopment opportunities, including projects that will protect and/or restore blue and green infrastructure. This project will also explore the need for enabling legislation that allows localities to achieve water quality goals, including increases in the allowable tree canopy requirement. HRPDC will work with VNEMO to determine the best strategy for coordinating assistance to local governments.</p>			

For more information, see: <http://www.deq.virginia.gov/coastal/assess11-16.html>.
 To review the strategy, see: <http://www.deq.virginia.gov/export/sites/default/coastal/documents/section3092011-2016strategy-csi.pdf>.

HRPDC Proposals for Grant Assistance

Significant funding resources, as well as local and regional staff resources, will be required to facilitate the Phase II WIP process. HRPDC has submitted proposals for grant funding to leverage planning district resources toward the development of locality strategies for TMDL implementation. Summaries of proposed projects that are under currently under consideration for grant funding are listed below:

Proposed Project: Water Quality Policy Analyses to Support Attainment of Nutrient Reduction Goals			
Program:	Coastal Zone Management Program Focal Area Project, FY 2011 PDC Competitive Grants	Applicant:	Hampton Roads Planning District Commission
Grant Administrator:	Virginia Coastal Zone Management Program	Proposed Schedule:	October 1, 2011 to September 30, 2012
Total Budget:	\$66,218	Application Date:	August 12, 2011
Match Required:	1 to 1	Notification Date:	October 1, 2011
<p>Project Summary: The Chesapeake Bay TMDL has resulted in the creation of nutrient reduction goals for the Commonwealth and Virginia localities. With Virginia's commencement of the Phase II Watershed Implementation Plan (WIP) process, Hampton Roads localities have identified several priority issues that are hindering the development of local Phase II WIP strategies for nutrient reduction. A key issue that requires facilitation is the need for a means by which localities can estimate and encourage nutrient reductions from land areas where government's role and/or jurisdiction for stormwater and TMDL implementation remain unclear, particularly lands identified for future redevelopment and privately-owned lands. There is a need in the Hampton Roads region to estimate the nutrient removal associated with future redevelopment activities and the placement of best management practices (BMPs) on private property. The feasibility and relative cost-effectiveness of these activities should also be evaluated for the purpose of developing a planning framework outlining options for inclusion in locality water quality protection initiatives.</p> <p>The proposed project is comprised of policy and economic analyses that will inform development and prioritization of local Chesapeake Bay Phase II Watershed Implementation Plan (WIP) strategies. The project will examine the following:</p> <ol style="list-style-type: none"> 1. Redevelopment activities to meet nutrient reduction goals: Identify areas targeted for redevelopment, quantify the potential for nutrient reductions, and estimate the cost effectiveness of those reductions. 2. Opportunities and constraints for nutrient reductions on private property: Examine the feasibility of implementing BMPs on private property and estimate the potential nutrient removal of these BMPs. 			

Proposed Project: Chesapeake Bay WIP Development for Hampton Roads			
Program:	Chesapeake Bay Stewardship Fund, Small Watershed Grants	Applicant:	Hampton Roads Planning District Commission
Grant Administrator:	National Fish and Wildlife Foundation	Proposed Schedule:	September 1, 2011 to August 31, 2012
Total Budget:	\$121,394	Application Date:	June 3, 2011
Match Required:	25%	Notification Date:	September 2011
<p>Project Summary:</p> <p>The objective of this project is to support Virginia’s Phase II WIP development for the Chesapeake Bay TMDL in the Hampton Roads (HR) localities. HRPDC staff will facilitate the involvement of Regional stakeholders through the formation of a Regional Phase II WIP Steering Committee. This Committee will be comprised of local government staff, Soil and Water Conservation District staff, Hampton Roads Sanitation District Staff, representatives from State Agencies (DEQ, DCR, VDH, and VDOT), representatives from federal land holders (Navy and Air Force), researchers from the Virginia Institute of Marine Science (VIMS), and representatives from Regional environmental organizations (Elizabeth River Project, Lynnhaven River Now, Chesapeake Bay Foundation, and James River Association). The Steering Committee will have three objectives: 1. Divide nutrient loads based on land use and ownership (Agricultural, VDOT, DoD) to clearly identify the portion of the nutrient reductions that the locality must implement. 2. Coordinate with the EPA and DCR to expand the types of BMPs that can be incorporated into the Bay model. 3. Provide regional feedback to the State on what localities need from the State such as more authority, regulations or funding.</p> <p>HRPDC is also requesting that local governments form local work groups comprised of staff from stormwater departments as well as utilities, parks and recreation, planning, and economic development among others. HRPDC staff will provide technical support to these local workgroups, so they can develop Community Conservation Information plans to support Virginia’s Phase II WIP. These Plans will outline the specific management actions that each locality will implement in order to meet their nutrient reduction targets outlined in the Chesapeake Bay TMDL and Phase I WIP. HRPDC staff will develop technical support tools to ensure that locally developed plans are cost effective and implementable.</p> <p>This project will address the program’s conservation objective of improving urban stormwater management. Twelve of the 16 local governments in Hampton Roads have Municipal Separate Storm Sewer (MS4) Permits. According to the Chesapeake Bay Watershed Model, urban lands comprise 38% of the Bay Watershed within HR and 85% of that land is regulated under the MS4 program. A significant component of the HR locality Community Conservation Information plan will address how local governments can reduce nutrient contributions from urban stormwater. Since new loads will be controlled by Virginia’s proposed SW regulations, the locality plans will focus on expanding existing programs in order to reduce nutrients (i.e. increase street sweeping), identifying existing low efficiency BMPs that can be retrofitted to enhance their nutrient removal, and identifying the location for installation of BMPs in existing areas not currently served.</p> <p>This project will assist in establishing meaningful stakeholder involvement in the Phase II Watershed Implementation Plan (WIP) process in Virginia through the establishment of a Regional Steering Committee and local working groups. HRPDC staff will facilitate Steering Committee meetings, provide briefings to the Commission at Executive Committee meetings, develop outreach materials for local governments to engage citizens, and provide briefings to local government officials at City Council and County Board meetings. HRPDC staff will develop a BMP Decision Support Matrix to help local</p>			

governments translate WIP strategies into local natural resource and quality of life benefits and identify practical and cost effective implementation strategies to meet the milestones that were articulated in Virginia's Phase I WIP.